

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/IB 03/03348

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H03B5/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H03J H03B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 911 960 A (ALPS ELECTRIC CO LTD) 28 April 1999 (1999-04-28) column 1, line 7 - line 59; figure 2 ---	1
A	US 6 353 462 B1 (KUDO YASUHARU ET AL) 5 March 2002 (2002-03-05) ---	
A	PATENT ABSTRACTS OF JAPAN vol. 010, no. 325 (E-451), 6 November 1986 (1986-11-06) & JP 61 131919 A (PIONEER ELECTRONIC CORP), 19 June 1986 (1986-06-19) abstract -----	

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the International filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
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Date of the actual completion of the International search

6 November 2003

Date of mailing of the International search report

20/11/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Peeters, M

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No
PCT/IB 03/03348

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
EP 0911960	A 28-04-1999	JP DE DE EP	11127028 A 69807622 D1 69807622 T2 0911960 A1	11-05-1999 10-10-2002 02-01-2003 28-04-1999
US 6353462	B1 05-03-2002	JP	11055595 A	26-02-1999
JP 61131919	A 19-06-1986		NONE	